

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

F1 Mice

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

C Number: C96011

Lock Date: 12/30/2003

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25021 TSAC 25020 NATD 25019 MSAC

Removal Date Range: ALL

Treatment Groups: Include ALL

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

DAY ON TEST	7	5	7	6	7	7	6	7	7	6	7	7	7	6	7	7	7	7	7	7	7	7	7	5
	3	5	3	8	3	3	2	3	3	6	3	2	2	2	3	5	2	3	2	2	3	3	2	2
	0	1	0	7	0	0	2	0	0	7	0	9	9	9	1	9	9	0	9	9	0	0	9	3
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4

males
(cont...)

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	A	+	+	M	I	M	+	+	+	+	+	+	+	+	+	+	A
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Carcinoma																		X					
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangioma															X								
Hepatoblastoma																	X						
Hepatocellular Adenoma	X				X	X	X			X		X		X	X		X	X	X	X	X	X	X
Hepatocellular Adenoma, Multiple							X		X			X						X	X	X	X	X	X
Hepatocellular Carcinoma		X	X								X							X					X

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	7	5	7	6	7	7	6	7	7	6	7	7	7	7	6	7	7	7	7	7	7	7	7	5
	3	5	3	8	3	3	2	3	3	6	3	2	2	2	3	5	2	3	2	2	3	3	2	2
	0	1	0	7	0	0	2	0	0	7	0	9	9	9	1	9	9	0	9	9	0	0	9	3

B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4

males
(cont...)

Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstitial Cell, Adenoma																							

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Bronchial	M	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																X							
Lymph Node, Mandibular	+	M	+	+	M	+	+	M	+	+	M	+	+	+	+	M	M	M	M	+	+	+	M
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																							
Lymph Node, Mediastinal	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	M	M	+	+	+	+	M	M
Lymphoma Malignant																X							
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

DAY ON TEST	6	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	6	6	6	7	7	7	7	
	5	2	2	2	3	2	6	2	2	3	3	2	2	3	3	2	3	6	2	3	2	3	3	2
	9	9	0	9	0	9	3	9	9	0	0	9	9	0	0	9	0	8	8	1	9	0	0	9
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
	* TOTALS																							

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	43
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma																								1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangioma																								1
Hepatoblastoma																								1
Hepatocellular Adenoma	X	X	X												X	X	X	X	X	X	X	X	X	17
Hepatocellular Adenoma, Multiple	X		X		X	X	X	X	X	X					X	X	X	X	X	X	X	X	X	17
Hepatocellular Carcinoma															X		X	X	X					10

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	6	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	6	6	6	7	7	7	7
	5	2	2	2	3	2	6	2	2	3	2	2	3	3	2	3	2	6	2	3	2	3	3	2
	9	9	0	9	0	9	3	9	9	0	0	9	9	0	0	9	0	8	8	1	9	0	0	9
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9

*** TOTALS**

Hepatocellular Carcinoma, Multiple	X		X	3
Mesentery				3
Pancreas	+	+	+	50
Salivary Glands	+	+	+	49
Stomach, Forestomach	+	+	+	50
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site		X		1
Squamous Cell Papilloma	X			1
Stomach, Glandular	+	+	+	50
Tongue				1
Squamous Cell Carcinoma				1
Tooth	+	+	+	15
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site		X		1

CARDIOVASCULAR SYSTEM

Blood Vessel		1
--------------	--	---

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

B6C3F1 MICE MALE CONTROL	ANIMAL ID	6	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	6	6	6	7	7	7	7	7	
		5	2	2	2	3	2	6	2	2	3	3	2	2	3	3	2	3	6	2	3	2	3	3	2	2
		9	9	0	9	0	9	3	9	9	0	0	9	9	0	0	9	0	8	8	1	9	0	0	0	9
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

* TOTALS

Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Interstitial Cell, Adenoma																		X							1

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Bronchial	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	45
Lymphoma Malignant																									1
Lymph Node, Mandibular	+	M	+	+	M	M	+	+	+	M	+	M	+	+	+	+	M	+	M	M	+	+	+	+	34
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																X									1
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	M	M	+	M	+	M	+	M	+	M	M	M	+	+	M	+	37
Lymphoma Malignant																									1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	48

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

DAY ON TEST	6	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	6	6	6	7	7	7	7	
	5	2	2	2	3	2	6	2	2	3	3	2	2	3	3	2	3	6	2	3	2	3	3	2
	9	9	0	9	0	9	3	9	9	0	0	9	9	0	0	9	0	8	8	1	9	0	0	9
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9

*** TOTALS**

Lymphoma Malignant																									1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant																		X							2
Thymus	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45	
Lymphoma Malignant																									1
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site															X										1

INTEGUMENTARY SYSTEM

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Subcutaneous Tissue, Fibrous Histiocytoma																									1
Subcutaneous Tissue, Sarcoma																									1

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	6	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	6	6	6	7	7	7	7
	5	2	2	2	3	2	6	2	2	3	2	2	3	3	2	3	2	6	2	3	2	3	3	2
	9	9	0	9	0	9	3	9	9	0	0	9	9	0	0	9	0	8	8	1	9	0	0	9
.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9

* TOTALS

Carcinoma

X 4

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Carcinoma, Metastatic, Liver		X																						1
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site								X																1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																X								2

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† = Tissue examined microscopically

A - Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

.. Lesion present
 Insufficient tissue

BEANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	6	7	6	7	6	5	7	7	6	4	6	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7
	9	2	7	3	9	3	1	3	3	5	7	3	2	3	3	3	2	5	3	2	3	2	2	3	2	3	3
	8	9	8	0	1	3	2	0	2	3	3	0	9	0	0	0	9	4	0	9	0	9	9	0	9	0	0
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		

**males
(cont...)**

Hepatoblastoma																					X								
Hepatocellular Adenoma	X	X	X	X	X	X															X								
Hepatocellular Adenoma, Multiple							X		X	X	X									X	X		X	X	X	X	X		
Hepatocellular Carcinoma	X	X	X				X	X	X	X									X	X	X	X	X	X	X	X	X		
Hepatocellular Carcinoma, Multiple																													
Histiocytic Sarcoma							X																						
Mesentery								+													+	+							
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																						X							
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																						X							
Stomach, Glandular	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Tooth								+													+	+							
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																						X							

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	6	7	6	7	6	5	7	7	6	4	6	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7
	9	2	7	3	9	3	1	3	3	5	7	3	2	3	3	3	2	5	3	2	3	2	2	3	2	3	3
	8	9	8	0	1	3	2	0	2	3	3	0	9	0	0	0	9	4	0	9	0	9	9	0	9	0	0
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		

**males
(cont...)****CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

Subcapsular, Adenoma

X

Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Pheochromocytoma Benign

Pheochromocytoma Malignant

Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
--------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Parathyroid Gland	+	+	M	+	+	+	M	M	+	+	M	M	+	+	M	M	M	+	+	M	+	+	+	+	M
-------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Pituitary Gland	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
---------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	6	7	6	7	6	5	7	7	6	4	6	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7
	9	2	7	3	9	3	1	3	3	5	7	3	2	3	3	3	2	5	3	2	3	2	2	3	2	2	3	3	3
	8	9	8	0	1	3	2	0	2	3	3	0	9	0	0	0	9	4	0	9	0	9	9	0	9	9	0	0	
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5				

**males
(cont...)**

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Bronchial	+	+	M	+	M	+	M	+	+	M	M	+	+	+	+	+	+	+	+	M	+	+	+	M	+				
Lymph Node, Mandibular	+	M	+	+	M	M	+	M	+	+	M	+	M	+	+	M	+	M	+	M	+	+	M	+	+	M	+	+	
Lymph Node, Mediastinal	+	+	M	M	M	+	M	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+		
Lymph Node, Mesenteric	+	M	M	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

Carcinoma

X X

URINARY SYSTEM

Hepatocellular Carcinoma, Metastatic Liver

Mast Cell Tumor Malignant, Metastatic Uncertain Primary Site

X

SYSTEMIC LESIONS

SYSTEMIC LESIONS

Histiocytic Sarcoma

Lymphoma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† ... Tissue examined microscopically

A .. Autolysis precludes evaluation

+ .. Tissue examined microscopically
x Lesion present

BLANK .. Not examined microscopically

| ... Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† = Tissue examined microscopically

A - Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

.. Lesion present
 Insufficient tissue

BEANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

B6C3F1 MICE MALE 250 PPM	ANIMAL ID	7	7	6	7	5	7	7	7	7	7	5	6	7	5	7	7	7	7	6	7	7	7	7	
		3	3	1	3	5	1	2	3	3	2	3	0	5	2	9	3	2	3	3	6	2	2	3	3
		0	0	0	0	1	5	9	0	0	9	1	3	2	9	3	0	9	0	1	2	9	9	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	
		* TOTALS																							
Hepatoblastoma																									1
Hepatocellular Adenoma		X	X																						13
Hepatocellular Adenoma, Multiple								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	20
Hepatocellular Carcinoma		X		X	X		X		X		X		X												17
Hepatocellular Carcinoma, Multiple								X																	1
Histiocytic Sarcoma																									1
Mesentery																									7
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																									1
Pancreas		+						+	+	+															50
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																									1
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Tooth																									8
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																									1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	7	7	6	7	5	7	7	7	7	7	5	6	7	5	7	7	7	7	6	7	7	7	7	
	3	3	1	3	5	1	2	3	3	2	3	0	5	2	9	3	2	3	3	6	2	2	3	3
	0	0	0	0	1	5	9	0	0	9	1	3	2	9	3	0	9	0	1	2	9	9	0	0
<hr/>																								
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
	* TOTALS																							

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																									1
Subcapsular, Adenoma																									1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Pheochromocytoma Benign																									1
Pheochromocytoma Malignant																									1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Parathyroid Gland	+	M	M	+	M	M	M	M	M	+	M	M	+	+	+	+	M	+	M	M	+	M	M	25	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	DAY ON TEST	7 3 0	7 3 0	6 1 0	7 3 0	5 1 5	7 2 9	7 3 0	7 2 9	5 0 3	6 5 2	7 9 3	5 3 2	7 2 3	7 3 0	7 9 0	6 9 1	7 2 1	7 2 2	7 2 9	7 3 0	7 2 0
B6C3F1 MICE MALE		0 0 4 2 6	0 0 4 2 7	0 0 4 2 8	0 0 4 2 9	0 0 4 3 0	0 0 4 3 1	0 0 4 3 2	0 0 4 3 3	0 0 4 3 4	0 0 4 3 5	0 0 4 3 6	0 0 4 3 7	0 0 4 3 8	0 0 4 3 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	* TOTALS
250 PPM	ANIMAL ID																					

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymph Node, Bronchial	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	41
Lymph Node, Mandibular	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	I	35	
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	42	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	7	7	6	7	5	7	7	7	7	7	5	6	7	5	7	7	7	7	6	7	7	7	7	
	3	3	1	3	5	1	2	3	3	2	3	0	5	2	9	3	2	3	3	6	2	2	3	3
	0	0	0	0	1	5	9	0	0	9	1	3	2	9	3	0	9	0	1	2	9	9	0	0

B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9

*** TOTALS**

Carcinoma X 3

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Carcinoma, Metastatic, Liver							X																	1
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																								1

Urinary Bladder + + + + + + + + + + + + + + | + + + + + + + + + + 48

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																								1
Lymphoma Malignant																								1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	7	7	6	7	7	6	7	7	7	7	6	6	7	7	7	7	7	7	7	7	3	7	7	5	7
	3	2	8	2	2	6	2	2	3	3	6	8	2	2	2	2	2	2	3	3	0	8	2	3	0
	0	9	3	9	9	8	9	9	0	0	4	4	9	3	9	9	9	9	0	0	2	1	9	0	3
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 MICE MALE	ANIMAL ID	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
500 PPM		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4

**males
(cont...)**

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	M	+	+	+	+	I	A	+	
Intestine Large, Cecum	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+
Intestine Large, Colon	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Intestine Large, Rectum	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Intestine Small, Duodenum	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Intestine Small, Ileum	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Intestine Small, Jejunum	+	+	A	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																									
Hepatoblastoma			X																			X		X	
Hepatocellular Adenoma	X		X														X	X				X		X	X
Hepatocellular Adenoma, Multiple	X			X	X	X	X	X	X	X							X	X	X	X		X	X		
Hepatocellular Carcinoma	X			X	X		X	X	X								X						X	X	
Hepatocellular Carcinoma, Multiple																									X

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

DAY ON TEST	7	7	6	7	7	6	7	7	7	6	6	7	7	7	7	7	7	7	7	3	7	7	5	7	
	3	2	8	2	2	6	2	2	3	3	6	8	2	2	2	2	2	3	3	0	8	2	3	0	2
	0	9	3	9	9	8	9	9	0	0	4	4	9	3	9	9	9	0	0	2	1	9	0	3	6
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

**males
(cont...)**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Adenoma	X	X	X	X						X	X	X	X	X	X	X	X	X	X	X	X	X				
Alveolar/Bronchiolar Adenoma, Multiple			X		X	X	X	X	X		X	X	X	X	X	X	X	X								
Alveolar/Bronchiolar Carcinoma	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
Alveolar/Bronchiolar Carcinoma, Multiple																										
Carcinoma, Metastatic, Harderian Gland																										
Hepatocellular Carcinoma, Metastatic, Liver		X			X	X														X						
Sarcoma, Metastatic, Uncertain Primary Site																										

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																									
Carcinoma																									
Bilateral, Adenoma																									

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Registered: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	7	7	6	7	7	6	7	7	7	7	6	6	7	7	7	7	7	7	7	3	7	7	5	7	
DAY ON TEST	3	2	8	2	2	6	2	2	3	3	6	8	2	2	2	2	2	3	3	0	8	2	3	0	2
	0	9	3	9	9	8	9	9	0	0	4	4	9	3	9	9	9	0	0	2	1	9	0	3	6
B6C3F1 MICE MALE																									
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

URINARY SYSTEM

Alveolar/Bronchiolar Carcinoma Metastatic, Lung

Hemangiosarcoma

SYSTEMIC LESIONS

Lymphoma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x Lesion present

Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	DAY ON TEST	7 3 0	7 2 9	7 2 9	5 6 5	5 1 2	7 9 8	6 3 0	6 4 9	6 3 8	7 2 6	7 2 9	7 1 9	7 1 8	7 3 2	7 3 1	5 6 0	7 2 8	7 3 9	7 3 1	7 2 0	7 3 9	6 4 5	7 3 0
B6C3F1 MICE MALE		0 0 6 2 6																						
500 PPM	ANIMAL ID	0 0 6 2 6	* TOTALS																					

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Gallbladder	+	M	+	I	+	A	I	A	+	+	A	+	+	+	+	+	+	+	M	+	+	+	+	+	37
Intestine Large, Cecum	+	+	+	+	+	A	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Intestine Large, Colon	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Large, Rectum	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Duodenum	+	+	+	+	+	A	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Ileum	+	+	+	+	+	A	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Jejunum	+	+	+	+	+	A	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma																			X						1
Hepatoblastoma	X																								4
Hepatocellular Adenoma		X	X	X	X	X														X	X				15
Hepatocellular Adenoma, Multiple	X	X					X			X			X	X	X				X	X	X				22
Hepatocellular Carcinoma	X				X	X		X		X		X	X			X						X			17
Hepatocellular Carcinoma, Multiple							X	X														X			4

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

† ... Tissue examined microscopically

x Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	DAY ON TEST	7 3 0	7 2 9	7 2 9	5 6 5	5 1 2	7 9 8	6 3 0	6 4 9	6 3 8	7 2 6	7 2 9	7 1 9	7 1 8	7 3 2	5 3 1	7 3 0	7 6 8	7 2 9	7 3 1	7 3 0	7 3 9	7 3 1	6 4 5	7 3 0
B6C3F1 MICE MALE		0 0 6 2 6	0 0 6 2 6	0 0 6 2 6	0 0 6 3 6	0 0 6 3 3	* TOTALS																		
500 PPM	ANIMAL ID	0 0 6 2 6	0 0 6 2 6	0 0 6 2 6	0 0 6 3 6	0 0 6 3 3																			

Adrenal Cortex	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Subcapsular, Adenoma	X																									2
Adrenal Medulla	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pheochromocytoma Benign																										1
Islets, Pancreatic	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Parathyroid Gland	M	+	+	M	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	35
Pituitary Gland	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Thyroid Gland	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Prostate	+	+	+	+	+	A	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	7	7	7	5	5	5	7	6	6	6	7	7	7	7	7	7	5	7	7	7	7	6	7		
	3	2	2	6	1	9	3	9	4	3	2	2	2	1	1	3	3	6	2	3	3	2	3	4	3
	0	9	9	5	2	8	0	0	9	8	6	9	9	8	2	1	0	8	9	1	0	9	1	5	0
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

*** TOTALS**

INTEGUMENTARY SYSTEM

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Subcutaneous Tissue, Fibrous Histiocytoma															X										1

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Skeletal Muscle																									1
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																									1

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----------

RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
--------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----------

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

B6C3F1 MICE MALE 500 PPM	ANIMAL ID	DAY ON TEST																								* TOTALS		
		7	7	7	5	5	5	7	6	6	6	7	7	7	7	7	7	5	7	7	7	7	6	7				
		3	2	2	6	1	9	3	9	4	3	2	2	2	1	1	3	3	6	2	3	3	2	3	4	3		
		0	9	9	5	2	8	0	0	9	8	6	9	9	8	2	1	0	8	9	1	0	9	1	5	0		
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Alveolar/Bronchiolar Adenoma		X	X	X					X	X									X	X							16	
Alveolar/Bronchiolar Adenoma, Multiple		X						X	X			X			X	X											15	
Alveolar/Bronchiolar Carcinoma							X			X	X		X	X		X	X		X	X		X				12		
Alveolar/Bronchiolar Carcinoma, Multiple			X	X							X			X		X	X		X	X	X	X				20		
Carcinoma, Metastatic, Harderian Gland		X																					X				2	
Hepatocellular Carcinoma, Metastatic, Liver								X	X	X	X				X			X									11	
Sarcoma, Metastatic, Uncertain Primary Site		X																										1
Nose		+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Trachea		+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
SPECIAL SENSES SYSTEM																												
Eye		+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Harderian Gland		+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Adenoma							X																					3
Carcinoma							X																					2
Bilateral, Adenoma																												1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	7	7	7	5	5	5	7	6	6	6	7	7	7	7	7	7	5	7	7	7	7	6	7		
	3	2	2	6	1	9	3	9	4	3	2	2	2	1	1	3	3	6	2	3	3	2	3	4	3
	0	9	9	5	2	8	0	0	9	8	6	9	9	8	2	1	0	8	9	1	0	9	1	5	0
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	* TOTALS																								

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																									1
	X																								
Urinary Bladder	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Hemangiosarcoma										X															1

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant																									1
	X																								

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	DAY ON TEST	7 3 0	6 8 0	5 5 6	6 2 7	7 0 0	4 8 0	7 3 8	7 1 9	6 2 9	7 2 0	3 9 1	7 0 1	7 5 0	7 9 5	6 2 9	6 2 8	6 2 9	6 2 9	7 7 9	7 7 9	6 8 9	7 3 0	5 6 6	
B6C3F1 MICE MALE		0 0 0																							
1000 PPM	ANIMAL ID	8 0 1	8 0 2	8 0 3	8 0 4	8 0 5	8 0 6	8 0 7	8 0 8	8 0 9	8 0 0	8 1 0	8 1 1	8 1 2	8 1 3	8 1 4	8 1 5	8 1 6	8 1 7	8 1 8	8 1 9	8 2 0	8 2 1	8 2 2	8 2 3
		1 2 3	3 4 5	4 5 6	5 6 7	6 7 8	7 8 9	8 9 0	9 0 1	0 1 2	1 2 3														

**males
(cont...)****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	+	I	+	A	M	+	+	+	+	+	M	+	A	+	I	+	+	+	+	M	+	+	+	+	A	
Intestine Large, Cecum	I	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Intestine Small, Duodenum	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Intestine Small, Ileum	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Intestine Small, Jejunum	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Carcinoma																										
Liver	+	+	+	+	+	+	+	+	+	+	X															
Hemangiosarcoma																										
Hepatoblastoma																	X			X						
Hepatocellular Adenoma																									X	X
Hepatocellular Adenoma, Multiple	X		X			X	X	X	X	X		X	X	X			X	X	X	X	X					
Hepatocellular Carcinoma												X		X							X	X				

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	7	6	5	6	7	4	7	7	6	7	7	6	3	7	7	7	6	6	6	7	7	6	7	5	6
	3	8	5	2	0	8	3	1	8	2	2	1	9	3	0	2	2	0	9	2	2	8	3	2	8
	0	0	6	7	1	0	0	8	7	9	9	0	1	0	5	9	8	9	4	9	9	7	0	6	3
.....
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

**males
(cont...)**Alveolar/Bronchiolar Carcinoma,
Metastatic, LungCarcinoma, Metastatic, Uncertain
Primary Site

X

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma, Metastatic, Uncertain Primary Site																									X
Subcapsular, Adenoma																									X
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	M	+	+	+	+	+	+	M	+	M	M	+	+	+	+	+	+	+	+	M	+	+	+	M	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma								X																	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cell, Adenoma								X																	

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	7	6	5	6	7	4	7	7	6	7	7	6	3	7	7	7	6	6	6	7	7	6	7	5	6
	3	8	5	2	0	8	3	1	8	2	2	1	9	3	0	2	2	0	9	2	2	8	3	2	8
	0	0	6	7	1	0	0	8	7	9	9	0	1	0	5	9	8	9	4	9	9	7	0	6	3

B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

**males
(cont...)**

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node																								+
Pancreatic, Sarcoma, Metastatic, Uncertain Primary Site																								X
Renal, Carcinoma, Metastatic, Uncertain Primary Site																								
Lymph Node, Bronchial	+	+	+	M	+	+	+	M	+	M	M	M	+	+	+	+	M	+	M	+	+	+	M	+

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

	7	6	5	6	7	4	7	7	6	7	7	6	3	7	7	7	6	6	6	7	7	6	7	5	6
	3	8	5	2	0	8	3	1	8	2	2	1	9	3	0	2	2	0	9	2	2	8	3	2	8
	0	0	6	7	1	0	0	8	7	9	9	0	1	0	5	9	8	9	4	9	9	7	0	6	3
.....
B6C3F1 MICE MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 PPM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

**males
(cont...)**Alveolar/Bronchiolar Carcinoma,
Metastatic, LungCarcinoma, Metastatic, Uncertain
Primary SiteSarcoma, Metastatic, Uncertain Primary
Site

X

X

Lymph Node, Mandibular

M M + + + + M M + M M M M M + M + + + + M + + + + + + + +

Carcinoma, Metastatic, Uncertain
Primary Site

X

Lymph Node, Mediastinal

+ + M + M + + + + + + + + M + + + + + + + + + + + + + + + + + +

Alveolar/Bronchiolar Carcinoma,
Metastatic, LungCarcinoma, Metastatic, Uncertain
Primary Site

X

Hepatocellular Carcinoma, Metastatic,
Liver

X

Sarcoma, Metastatic, Uncertain Primary
Site

X

Lymph Node, Mesenteric

+ + + + + + + + + M + + M + + + + + + + + + + + + + + + + + +

Sarcoma, Metastatic, Uncertain Primary
Site

X

Spleen

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 6 | 5 | 6 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 6 |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 8 | 5 | 2 | 0 | 8 | 3 | 1 | 8 | 2 | 2 | 1 | 9 | 3 | 0 | 2 | 2 | 0 | 9 | 2 | 2 | 8 | 3 | 2 | 8 |
| | 0 | 0 | 6 | 7 | 1 | 0 | 0 | 8 | 7 | 9 | 9 | 0 | 1 | 0 | 5 | 9 | 8 | 9 | 4 | 9 | 9 | 7 | 0 | 6 | 3 |
| B6C3F1 MICE MALE
1000 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

Hemangiosarcoma X >

Sarcoma, Metastatic, Uncertain Primary Site

Alveolar/Bronchiolar Carcinoma Metastatic, Lung

Sarcoma, Metastatic, Uncertain Primary Site

INTEGUMENTARY SYSTEM

Subcutaneous Tissue, Fibrous Histiocytoma

MUSCULOSKELETAL SYSTEM

Carcinoma, Metastatic, Uncertain Primary Site

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 6 | 5 | 6 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 6 |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 8 | 5 | 2 | 0 | 8 | 3 | 1 | 8 | 2 | 2 | 1 | 9 | 3 | 0 | 2 | 2 | 0 | 9 | 2 | 2 | 8 | 3 | 2 | 8 |
| | 0 | 0 | 6 | 7 | 1 | 0 | 0 | 8 | 7 | 9 | 9 | 0 | 1 | 0 | 5 | 9 | 8 | 9 | 4 | 9 | 9 | 7 | 0 | 6 | 3 |
| B6C3F1 MICE MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

Capsule, Sarcoma, Metastatic, Uncertain Primary Site

X

Urinary Bladder

SYSTEMIC LESIONS

Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 5 | |
| | 3 | 2 | 2 | 2 | 0 | 9 | 2 | 2 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 4 | 0 | 9 | 3 | 2 | 0 | 2 | 3 | 4 | 7 |
| | 0 | 9 | 9 | 9 | 9 | 9 | 6 | 0 | 9 | 0 | 1 | 1 | 0 | 9 | 9 | 8 | 5 | 7 | 4 | 0 | 9 | 5 | 9 | 0 | 9 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE MALE | | 0 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1000 PPM | ANIMAL ID | 8 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Gallbladder | + | + | + | + | A | + | A | + | + | A | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 38 |
| Intestine Large, Cecum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 44 |
| Intestine Large, Colon | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 48 |
| Intestine Large, Rectum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 45 |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 44 |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 44 |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | X | + | + | + | + | + | + | + | + | 44 |
| Carcinoma | | | | | | | | | | | | | | | | | X | + | + | + | + | + | + | + | 2 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatoblastoma | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| Hepatocellular Adenoma, Multiple | X | X | X | | | | X | | | | | | | | | X | | X | X | X | X | X | X | X | 26 |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | | X | X | X | X | X | X | X | X | 10 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 5 |
| | 3 | 2 | 2 | 2 | 0 | 9 | 2 | 2 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 4 | 0 | 9 | 3 | 2 | 0 | 2 | 3 | 4 | 7 |
| | 0 | 9 | 9 | 9 | 9 | 9 | 6 | 0 | 9 | 0 | 1 | 1 | 0 | 9 | 9 | 8 | 5 | 7 | 4 | 0 | 9 | 5 | 9 | 0 | 9 |
| B6C3F1 MICE MALE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|----|
| Hepatocellular Carcinoma, Multiple | X | 7 |
| Hepatocholangiocarcinoma | X | 1 |
| Sarcoma, Metastatic, Uncertain Primary Site | | 1 |
| Mesentery | + | 3 |
| Pancreas | + | 49 |
| Sarcoma, Metastatic, Uncertain Primary Site | | 1 |
| Salivary Glands | + | 50 |
| Stomach, Forestomach | + | 49 |
| Sarcoma, Metastatic, Uncertain Primary Site | | 1 |
| Stomach, Glandular | + | 48 |
| Sarcoma, Metastatic, Uncertain Primary Site | | 1 |
| Tooth | + | 6 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 5 |
| | 3 | 2 | 2 | 2 | 0 | 9 | 2 | 2 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 4 | 0 | 9 | 3 | 2 | 0 | 2 | 3 | 4 | 7 |
| | 0 | 9 | 9 | 9 | 9 | 9 | 6 | 0 | 9 | 0 | 1 | 1 | 0 | 9 | 9 | 8 | 5 | 7 | 4 | 0 | 9 | 5 | 9 | 0 | 9 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

X

1

Carcinoma, Metastatic, Uncertain
Primary Site

1

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Subcapsular, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Islets, Pancreatic | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Parathyroid Gland | M | + | + | + | + | + | M | + | + | M | M | + | I | + | + | + | + | M | M | M | + | + | + | + | 36 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Follicular Cell, Adenoma | | X | | | | | | | | | | | | | | | | | | | | | | | 3 |

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 5 |
| | 3 | 2 | 2 | 2 | 0 | 9 | 2 | 2 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 4 | 0 | 9 | 3 | 2 | 0 | 2 | 3 | 4 | 7 |
| | 0 | 9 | 9 | 9 | 9 | 9 | 6 | 0 | 9 | 0 | 1 | 1 | 0 | 9 | 9 | 8 | 5 | 7 | 4 | 0 | 9 | 5 | 9 | 0 | 9 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE MALE | 0 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1000 PPM | ANIMAL ID | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

* TOTALS

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Prostate | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Seminal Vesicle | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Pancreatic, Sarcoma, Metastatic,
Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal, Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Bronchial | + | M | + | + | M | + | + | + | + | + | + | M | + | M | M | + | + | + | + | + | + | + | + | M | 35 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| B6C3F1 MICE MALE
1000 PPM | ANIMAL ID | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 4 | 5 | |
|---|-----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| | | 3 | 2 | 2 | 2 | 0 | 9 | 2 | 2 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 4 | 0 | 9 | 3 | 2 | 0 | 2 | 3 | 4 | 7 |
| | | 0 | 9 | 9 | 9 | 9 | 9 | 6 | 0 | 9 | 0 | 1 | 1 | 0 | 9 | 9 | 8 | 5 | 7 | 4 | 0 | 9 | 5 | 9 | 0 | 9 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | X | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Uncertain Primary
Site | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mandibular | | M | M | M | M | + | + | M | + | M | + | M | + | M | + | M | + | M | + | M | M | M | + | M | M | 25 |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mediastinal | | + | + | + | M | + | M | + | M | + | + | M | + | M | + | M | + | M | + | M | M | + | + | + | M | 39 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic,
Liver | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Sarcoma, Metastatic, Uncertain Primary
Site | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | 44 | |
| Sarcoma, Metastatic, Uncertain Primary
Site | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 5 |
| | 3 | 2 | 2 | 2 | 0 | 9 | 2 | 2 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 4 | 0 | 9 | 3 | 2 | 0 | 2 | 3 | 4 | 7 |
| | 0 | 9 | 9 | 9 | 9 | 9 | 6 | 0 | 9 | 0 | 1 | 1 | 0 | 9 | 9 | 8 | 5 | 7 | 4 | 0 | 9 | 5 | 9 | 0 | 9 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

| | | | |
|--|---|---|----|
| Hemangiosarcoma | X | X | 4 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | 1 |
| Thymus | + | + | 44 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | X | 1 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | 1 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 0 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Subcutaneous Tissue, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | 3 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 5 | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 3 | 2 | 2 | 2 | 0 | 9 | 2 | 2 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 4 | 0 | 9 | 3 | 2 | 0 | 2 | 3 | 4 | 7 | |
| | 0 | 9 | 9 | 9 | 9 | 9 | 6 | 0 | 9 | 0 | 1 | 1 | 0 | 9 | 9 | 8 | 5 | 7 | 4 | 0 | 9 | 5 | 9 | 0 | 9 | 6 |
| B6C3F1 MICE MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | X | | X | X | X | X | | | | | | | | | | 9 | |
| Alveolar/Bronchiolar Adenoma, Multiple | X | X | X | X | | | | | X | | X | | X | | | | | | | | | | | | 20 | |
| Alveolar/Bronchiolar Carcinoma | | X | | X | | X | X | | X | | | | | | | | | | | | | | | | 16 | |
| Alveolar/Bronchiolar Carcinoma, Multiple | X | | X | | X | | X | | | | | | | | | | | | | | | | | | 17 | |
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Pleura | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 5 |
| | 3 | 2 | 2 | 2 | 0 | 9 | 2 | 2 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 4 | 0 | 9 | 3 | 2 | 0 | 2 | 3 | 4 | 7 |
| | 0 | 9 | 9 | 9 | 9 | 9 | 6 | 0 | 9 | 0 | 1 | 1 | 0 | 9 | 9 | 8 | 5 | 7 | 4 | 0 | 9 | 5 | 9 | 0 | 9 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

X

1

Carcinoma, Metastatic, Uncertain
Primary Site

1

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Bilateral, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

Capsule, Sarcoma, Metastatic, Uncertain Primary Site

1

Urinary Bladder

SYSTEMIC LESIONS

Multiple Organ

*** END OF MALE DATA ***

- * .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 2 | 7 | 6 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 5 |
| | 5 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 8 | 3 | 8 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 5 |
| | 6 | 3 | 5 | 2 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTROL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder | I | + | M | + | + | + | + | + | + | A | + | + | + | + | + | + | I | + | M | + | + | + | + | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | X | + | + | + | + | + | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | X | X | | | | | | X | | | | | | |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | | | X | | X | | | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | X | | | | | |
| Lymphoma Malignant | | | | | | | | | | X | X | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 2 | 7 | 6 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 5 |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 8 | 3 | 8 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 5 |
| | 6 | 3 | 5 | 2 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 1 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTROL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

**females
(cont...)**

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland | M | + | I | I | M | + | + | + | M | + | M | M | + | M | M | M | M | + | + | + | M | + | + | M |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Intermedia, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | X | | | | | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | X | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | M | + | + | + | + | + | I | + | + | + | M | + | + | + | + | + | + | + | + | + | I |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 2 | 7 | 6 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 5 |
| | 5 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 8 | 3 | 8 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 5 |
| | 6 | 3 | 5 | 2 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTROL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

| | | |
|------------------------|---|---|
| Cystadenoma | X | X |
| Lymphoma Malignant | | |
| Teratoma Benign | | |
| Uterus | + | + |
| Lymphoma Malignant | X | |
| Polyp Stromal | | X |
| Endometrium, Carcinoma | X | X |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | + | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Bronchial | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | M | + | + | + | + | + | M | M | + | + | + | + | M | + | + | + | M | M | + | + | M | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 2 | 7 | 6 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 5 |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 8 | 3 | 8 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 5 |
| | 6 | 3 | 5 | 2 | 3 | 3 | 2 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTROL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mediastinal | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | M | + | + | I | + |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | X | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | X | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

SYSTEMIC LESIONS

Multiple Organ

Lymphoma Malignant

X X

females (cont...)

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

- + .. Tissue examined
- x Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

A.. Autolysis precludes evaluation

BLANK Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 2 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 1 | 7 | 7 | 6 | 7 | 7 | | |
|---------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 2 | 0 | 3 | 3 | 3 | |
| | 3 | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 2 | 3 | 3 | 6 | 7 | 2 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTROL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Gallbladder | + | A | A | + | + | + | + | + | + | + | + | + | + | + | I | M | + | M | A | M | + | + | + | 38 | | |
| Intestine Large, Cecum | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 46 | | |
| Intestine Large, Colon | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Intestine Large, Rectum | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Intestine Small, Duodenum | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Intestine Small, Ileum | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 46 | | |
| Intestine Small, Jejunum | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 46 | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hepatocellular Adenoma | | | | | | | X | | X | X | | X | | | | | | | X | | X | | | | 9 | |
| Hepatocellular Adenoma, Multiple | | | | X | X | | X | | X | | X | X | | | | | | | | | | | | | 9 | |
| Hepatocellular Carcinoma | | | | X | | | X | | | | | | | | X | X | | X | | | | | | | 8 | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | X | | | 2 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | | 3 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 2 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 1 | 7 | 7 | 6 | 7 | 7 |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 3 | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 2 | 0 | 3 | 3 |
| | 3 | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 2 | 3 | 3 | 6 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTROL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Mesentery | + | + | + | | | | | | | | | | | | | | | | | + | + | 11 |
| Pancreas | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Stomach, Forestomach | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Epithelium, Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Glandular | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | 1 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | X | | | | 1 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 2 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 1 | 7 | 7 | 6 | 7 | 7 |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 3 | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 2 | 0 | 3 | 3 |
| | 3 | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 2 | 3 | 3 | 6 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTROL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Islets, Pancreatic Adenoma | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| | | | | | | | | | | | | | | | | | | | | | | 1 |
| Parathyroid Gland | + | + | + | M | + | + | M | M | M | + | + | + | M | + | + | + | M | + | M | M | M | 26 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pars Distalis, Adenoma | | | | X | | | | | | X | | | | | | | | | | | | 8 |
| Pars Intermedia, Adenoma | | | | | | | | | | | | | | | | | | | | | | 2 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | 1 |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | 1 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | + | I | M | M | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | 41 |
| Ovary | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 2 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 1 | 7 | 7 | 6 | 7 | 7 |
| | 3 | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 2 | 0 | 3 | 3 |
| | 3 | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 2 | 3 | 3 | 6 |
| B6C3F1 MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|------------------------|---|---|----|
| Cystadenoma | X | X | 5 |
| Lymphoma Malignant | | | 1 |
| Teratoma Benign | | X | 1 |
| Uterus | + | + | 50 |
| Lymphoma Malignant | | | 1 |
| Polyp Stromal | | | 3 |
| Endometrium, Carcinoma | X | | 3 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Bone Marrow | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Lymph Node | | | + | | | | | | | | | | | | | | | | | | | | 4 |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Bronchial | + | + | + | + | M | + | + | + | M | M | + | + | + | + | + | + | M | + | M | + | + | 39 | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | 4 |
| Lymph Node, Mandibular | + | + | M | M | + | M | + | + | + | + | M | + | M | + | + | M | + | M | + | + | + | 35 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | 7 | 2 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 1 | 7 | 7 | 6 | 7 | 7 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| DAY ON TEST | 3 | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 2 | 0 | 3 | 3 | |
| | 3 | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 2 | 3 | 3 | 6 | 7 | |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| CONTROL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | |
| Lymph Node, Mediastinal | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | |
| Spleen | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | X | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 2 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 1 | 7 | 7 | 6 | 7 | 7 |
| | 3 | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 2 | 0 | 3 | 3 |
| | 3 | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 2 | 3 | 3 | 6 | 7 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTROL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

Subcutaneous Tissue,
Hemangiosarcoma

1

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | | | | X | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Carcinoma, Metastatic, Uncertain | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 2 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 1 | 7 | 7 | 6 | 7 | 7 |
| | 3 | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 2 | 0 | 3 | 3 |
| | 3 | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 2 | 3 | 3 | 6 |
| B6C3F1 MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | |

Primary Site

| | | | | |
|--|---|---|---|---|
| Hepatocellular Carcinoma, Metastatic,
Liver | X | X | X | X |
|--|---|---|---|---|

| | | | | |
|--------------------|---|---|---|---|
| Lymphoma Malignant | X | X | X | X |
|--------------------|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

| | |
|--|---|
| Carcinoma, Metastatic, Harderian Gland | 1 |
|--|---|

| | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

| | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

| | | | | |
|---------|---|---|---|---|
| Adenoma | X | X | X | X |
|---------|---|---|---|---|

| | | | | |
|-----------|---|---|---|---|
| Carcinoma | X | X | X | X |
|-----------|---|---|---|---|

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

| | | | | |
|--|---|---|---|---|
| Carcinoma, Metastatic, Uncertain
Primary Site | X | X | X | X |
|--|---|---|---|---|

| | | | | |
|--------------------|---|---|---|---|
| Lymphoma Malignant | X | X | X | X |
|--------------------|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 7 | 2 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 1 | 7 | 7 | 6 | 7 | 7 |
| | 3 | 9 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 2 | 0 | 3 | 3 |
| | 3 | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | 2 | 1 | 2 | 3 | 3 | 6 | 7 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONTROL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | A | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | X | | | | | | | | | | | | | | | | X | X | X | | | | 7 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S

Date Report Registered: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A.. Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

.. Lesion present
 Insufficient tissue

BEANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 |
| | 6 | 1 | 1 | 3 | 5 | 2 | 3 | 2 | 1 | 9 | 9 | 3 | 2 | 1 | 3 | 2 | 2 | 1 | 2 | 3 | 2 | 8 | 1 | 2 | |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hepatocellular Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Multiple | | X | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocholangiocarcinoma | | | X | | | | | | | | | | | | | | | | | | | | | |
| Histiocytic Sarcoma | | | | X | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 |
| | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 |
| | 6 | 1 | 1 | 3 | 5 | 2 | 3 | 2 | 1 | 9 | 9 | 3 | 2 | 1 | 3 | 2 | 2 | 1 | 2 | 3 | 2 | 8 | 1 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE | ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 125 PPM | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

females
(cont...)

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cystadenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | X |
| Cystadenoma | | | | | | | | | | | | | | | | | | | | | | | | X |
| Yolk Sac Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | + | | | | | | | | | | | | | | | | | | | | | | | + |
| Iliac, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Hepatocholangiocarcinoma,
Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | X |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Bronchial | + | M | + | + | + | M | + | + | + | + | + | M | + | M | M | + | + | + | M | + | M | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 |
| | 6 | 1 | 1 | 3 | 5 | 2 | 3 | 2 | 1 | 9 | 9 | 3 | 2 | 1 | 3 | 2 | 2 | 1 | 2 | 3 | 2 | 8 | 1 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

females
(cont...)

| | | |
|--|---|---|
| Lymphoma Malignant | X | X |
| Lymph Node, Mandibular | + | + |
| Lymphoma Malignant | X | + |
| Lymph Node, Mediastinal | + | M |
| Hepatocholangiocarcinoma, Metastatic,
Liver | + | + |
| Lymphoma Malignant | X | + |
| Lymph Node, Mesenteric | + | + |
| Lymphoma Malignant | X | X |
| Spleen | + | + |
| Lymphoma Malignant | X | X |
| Thymus | + | + |
| Hepatocholangiocarcinoma, Metastatic,
Liver | + | + |
| Lymphoma Malignant | X | + |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

Subcutaneous Tissue, Hemangiosarcoma

Subcutaneous Tissue, Histiocytic Sarcoma

Subcutaneous Tissue, Sarcoma

MUSCULOSKELETAL SYSTEM

Skeletal Muscle

Hepatocarcinoma, Metastatic Liver

NERVOUS SYSTEM

RESPIRATORY SYSTEM

Larynx + | + + + +

* .. Total animals with tissue examined microscopically; Total animals with tumor

† = Tissue examined microscopically

- + .. Tissue examined
- x Lesion present

x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 |
| | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | 3 |
| | 6 | 1 | 1 | 3 | 5 | 2 | 3 | 2 | 1 | 9 | 9 | 3 | 2 | 1 | 3 | 2 | 2 | 1 | 2 | 3 | 2 | 8 | 1 | 2 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 125 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Alveolar/Bronchiolar Adenoma | X | X | X | | X | | | | | | | | | | | | X | X | X | X | X | | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | X | | | | | | | | | X | | | | | | | X | X | X | X | X | | | | | |
| Alveolar/Bronchiolar Carcinoma | | X | X | | | | | | | X | | | | | | | | X | | | X | | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | X | | | X | | | | | | | | | | | | | | | | | X | X | | | | |
| Hepatocellular Carcinoma, Metastatic,
Liver | | | | | | | | | | X | | | | | | | | | | | X | | | | | |
| Hepatocholangiocarcinoma, Metastatic,
Liver | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Lymphoma Malignant | | | X | X | | | | | | X | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Respiratory Epithelium, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pleura | | | | | | | | | | | | | | | | | + | | | | | | | | | |
| Hepatocholangiocarcinoma, Metastatic,
Liver | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | X | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 |
| | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | 3 |
| | 6 | 1 | 1 | 3 | 5 | 2 | 3 | 2 | 1 | 9 | 9 | 3 | 2 | 1 | 3 | 2 | 2 | 1 | 2 | 3 | 2 | 8 | 1 | 2 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females
(cont...)

Carcinoma

X

Lymphoma Malignant

X

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocarcinoma, Metastatic, | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | X | X | X | | X | | X | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | |
| | 3 | 3 | 3 | 8 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 1 | 3 | 7 | 3 | 4 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 |
| | 1 | 6 | 1 | 7 | 2 | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 2 | 0 | 2 | 1 | 5 | 2 | 1 | 1 | 1 | 2 | 1 | 3 | 1 |
| B6C3F1 MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | M | + | + | + | M | + | M | 41 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 47 | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 48 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 47 | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | X | 1 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 47 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | X | 1 | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 47 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | 50 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | X | 1 |
| Hepatocellular Adenoma | | | | | | | | | | | | | X | | | | | | | | | | | X | 10 |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | X | | | | | | | | | | | X | 13 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | 7 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | |
| | 3 | 3 | 3 | 8 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 1 | 3 | 7 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 |
| | 1 | 6 | 1 | 7 | 2 | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 2 | 0 | 2 | 1 | 5 | 2 | 1 | 1 | 1 | 2 | 1 | 3 | 1 | |
| B6C3F1 MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Hepatocellular Carcinoma | X | X | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocholangiocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Mesentery | + | | | | | | | | | | | | | | | | | | | | | | | | | 12 |
| Sarcoma | | | | | | | | | | | | | | | | | X | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| | 3 | 3 | 3 | 8 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 1 | 3 | 7 | 3 | 4 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 |
| | 1 | 6 | 1 | 7 | 2 | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 2 | 0 | 2 | 1 | 5 | 2 | 1 | 1 | 1 | 2 | 1 | 3 | 1 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 125 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cystadenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Cystadenoma | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Yolk Sac Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | 9 | |
| Iliac, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Renal, Hepatocholangiocarcinoma,
Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Lymph Node, Bronchial | + | M | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | M | + | 36 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 3 | 3 | 8 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 1 | 3 | 7 | 3 | 4 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 |
| | 1 | 6 | 1 | 7 | 2 | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 2 | 0 | 2 | 1 | 5 | 2 | 1 | 1 | 1 | 2 | 1 | 3 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

*** TOTALS**

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|
| Lymphoma Malignant | | X | X | | 4 | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 42 | | |
| Lymphoma Malignant | | | | | | | | | | | X | X | X | X | | | | | | | | | 5 | |
| Lymph Node, Mediastinal | + | M | M | M | + | + | + | M | + | + | M | M | + | M | + | + | + | + | + | + | + | + | 40 | |
| Hepatocholangiocarcinoma, Metastatic,
Liver | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | X | X | X | X | | | | | | 5 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | X | X | X | X | | | | | | 6 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Lymphoma Malignant | | | | | | | | | | | X | | X | | X | X | X | X | | | | | | 13 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hepatocholangiocarcinoma, Metastatic,
Liver | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | X | | | | | 2 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | |
| | 3 | 3 | 3 | 8 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 1 | 3 | 7 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 |
| | 1 | 6 | 1 | 7 | 2 | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 2 | 0 | 2 | 1 | 5 | 2 | 1 | 1 | 1 | 2 | 1 | 3 | 1 | |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 125 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Subcutaneous Tissue,
Hemangiosarcoma | | | | | | | | | | | | | | | | | | X | | | | | | | | | 2 |
| Subcutaneous Tissue, Histiocytic
Sarcoma | | | | | | | | | | | | | | | X | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | X | | | | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocholangiocarcinoma, Metastatic,
Liver | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | |
|--|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 3 | 3 | 3 | 8 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 1 | 3 | 7 | 3 | 4 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 |
| | 1 | 6 | 1 | 7 | 2 | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 2 | 0 | 2 | 1 | 5 | 2 | 1 | 1 | 1 | 2 | 1 | 3 | 1 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 125 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | X | | | | X | | | | | | | | | | | | | | | | X | X | X | X | 13 |
| Alveolar/Bronchiolar Adenoma, Multiple | | X | | | | X | X | X | | | | | | | | | | | | | X | X | X | X | 13 |
| Alveolar/Bronchiolar Carcinoma | X | | | | X | | | X | | | X | | | | | | | | | | X | | | | 10 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | X | | | | | | | | | | | | | | | X | | | | 6 |
| Hepatocellular Carcinoma, Metastatic,
Liver | | | | | X | | X | | | | | | | | | | | | | | X | | | | 5 |
| Hepatocholangiocarcinoma, Metastatic,
Liver | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | X | | | | | 4 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Respiratory Epithelium, Adenoma | | | | | | | | | | | | | | | | | | | | | X | | | | 1 |
| Pleura | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocholangiocarcinoma, Metastatic,
Liver | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Adenoma | X | | | | | | | | | | | | | | | | | | | | X | | | | 4 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 8 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 1 | 3 | 7 | 3 | 4 | 3 | 3 | 3 | 8 | 3 | 3 | 3 |
| | 1 | 6 | 1 | 7 | 2 | 1 | 3 | 6 | 3 | 3 | 3 | 2 | 2 | 0 | 2 | 1 | 5 | 2 | 1 | 1 | 1 | 2 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE
125 PPM | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

* TOTALS

Carcinoma

1

Lymphoma Malignant

1

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatocarcinoma, Metastatic, | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Liver | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | X | | | | | | 3 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | 2 |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | X | X | X | X | X | X | 15 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 3 | 0 |
| | 2 | 2 | 2 | 1 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 1 | 2 | 5 | 2 | 2 | 1 | 2 | 2 | 4 | 7 | 2 | 1 | 1 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 250 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | I | + | + | + | A | + | M | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatoblastoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | X | | X | X | | | X | | | X | X | X | | | | X | | | X | | | | | |
| Hepatocellular Adenoma, Multiple | X | | X | | | X | | | | | | | | | | | X | | | X | X | | | | |
| Hepatocellular Carcinoma | | | | | | | | | X | | | | | | | | | | | | X | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 3 | 0 |
| | 2 | 2 | 2 | 1 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 1 | 2 | 5 | 2 | 2 | 1 | 2 | 2 | 4 | 7 | 2 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE
250 PPM | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

Hepatocellular Carcinoma, Multiple

X

Histiocytic Sarcoma

X

Lymphoma Malignant

X

Mesentery

+

+

+

+

+

Hemangiosarcoma

Pancreas

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

Lymphoma Malignant

X

Salivary Glands

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

Stomach, Forestomach

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

Squamous Cell Papilloma

X

X

Stomach, Glandular

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

Lymphoma Malignant

X

CARDIOVASCULAR SYSTEM

Blood Vessel

+

+

Heart

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 3 | 0 |
| | 2 | 2 | 2 | 1 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 1 | 2 | 5 | 2 | 2 | 1 | 2 | 2 | 4 | 7 | 2 | 1 | 1 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 250 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

**females
(cont...)**

ENDOCRINE SYSTEM

Adrenal Cortex

+ X

Histiocytic Sarcoma

Adrenal Medulla

+ +

Pheochromocytoma Malignant

Islets, Pancreatic

+ X

Carcinoma

Parathyroid Gland

M + M M M M M + M M + + + + + M + + M M M + M M +

Pituitary Gland

+ +

Pars Distalis, Adenoma

X X

Pars Intermedia, Adenoma

Thyroid Gland

+ +

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

x .. Lesion present
| .. Insufficient tissue

BEANK ... Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 3 | 0 |
| | 2 | 2 | 2 | 1 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 1 | 2 | 5 | 2 | 2 | 1 | 2 | 2 | 4 | 7 | 2 | 1 | 1 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 250 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

Spleen

Lumbar, Lymphoma Malignant

Pancreatic, Lymphoma Malignant

Renal, Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

Renal, Lymphoma Malignant

X

Lymph Node, Bronchial

M + M + + + + M + + + + + + + + + + + + + + M + + M M

Histiocytic Sarcoma

Lymphoma Malignant

X

X

Lymph Node, Mandibular

M + + + M + + + + M + + + + + + + + + + M M + + M +

Histiocytic Sarcoma

Lymphoma Malignant

X

X

Lymph Node, Mediastinal

M + + + + + + + + M + M + + + + + + + + + + + M +

Alveolar/Bronchiolar Carcinoma,

Metastatic, Lung

X

Histiocytic Sarcoma

Lymphoma Malignant

X

X

Lymph Node, Mesenteric

I +

Histiocytic Sarcoma

Lymphoma Malignant

X

X

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 3 | 0 |
| | 2 | 2 | 2 | 1 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 1 | 2 | 5 | 2 | 2 | 1 | 2 | 2 | 4 | 7 | 2 | 1 | 1 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 250 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

Hemangiosarcoma

Skeletal Muscle

+

Hemangiosarcoma

X

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Alveolar/Bronchiolar Adenoma | | | X | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Alveolar/Bronchiolar Adenoma, Multiple | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Alveolar/Bronchiolar Carcinoma | | | X | | | | X | X | X | | | | | | | | | X | X | X | X | X | X | X | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | X | | | | | | | | | | | X | | X | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | X | | | | | | X |
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 5 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 9 | 8 | 3 | 3 | 3 | 0 |
| | 2 | 2 | 2 | 1 | 3 | 3 | 7 | 3 | 2 | 2 | 3 | 1 | 2 | 5 | 2 | 2 | 1 | 2 | 4 | 7 | 2 | 1 | 1 | 9 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 250 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

SYSTEMIC LESIONS

Multiple Organ

+ X

Histiocytic Sarcoma

X

Lymphoma Malignant

X

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 3 | 0 | 3 | 3 | 3 | 0 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 1 | 3 | 8 | 3 | 9 | 2 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 9 | 1 | 2 |
| B6C3F1 MICE FEMALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 250 PPM | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | I | + | + | 44 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | X | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hepatoblastoma | | | | | | | | | | | | | | | | X | | | | | | | | | | 1 |
| Hepatocellular Adenoma | X | X | X | X | | | | | | | | | | | X | | X | X | | | | | | X | 18 | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | X | | | | | | | | | X | 9 |
| Hepatocellular Carcinoma | X | | | | | | | | | | | | | | | | | | X | | | | | | X | 4 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 3 | 0 | 3 | 3 | 3 | 0 | 3 | 5 | 3 | 3 | 3 | 3 | 3 |
| | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 1 | 3 | 8 | 3 | 9 | 2 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 9 | 1 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 250 PPM | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | | | | | | | | | | | | | | | | | |

* TOTALS

| | | |
|------------------------------------|---|----|
| Hepatocellular Carcinoma, Multiple | X | 2 |
| Histiocytic Sarcoma | | 2 |
| Lymphoma Malignant | X | 2 |
| Mesentery | + | 11 |
| Hemangiosarcoma | X | 1 |
| Pancreas | + | 50 |
| Lymphoma Malignant | X | 2 |
| Salivary Glands | + | 50 |
| Stomach, Forestomach | + | 50 |
| Squamous Cell Papilloma | | 2 |
| Stomach, Glandular | + | 50 |
| Lymphoma Malignant | | 1 |

CARDIOVASCULAR SYSTEM

| | | |
|--------------|---|----|
| Blood Vessel | + | 3 |
| Heart | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMFNF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

ENDOCRINE SYSTEM

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| B6C3F1 MICE FEMALE
250 PPM | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
|-------------------------------|-----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 3 | 0 | 3 | 3 | 3 | 0 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 1 | 3 | 8 | 3 | 9 | 2 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 9 | 1 | 2 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | M | + | + | + | + | M | 42 | |
| Ovary | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cystadenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Luteoma | | | | | | | | | | | | | | | | X | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leiomyoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | 1 |
| Polyp Stromal | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Bilateral, Polyp Stromal | | | | | | | | | | | | | | | | | | | X | | | | | | 1 |
| Endometrium, Carcinoma | | | | | | | | | | | | | | | | | | | | X | | | | | 1 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | X | | | | | | | | | 2 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Lymph Node | + | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Axillary, Hemangiosarcoma, Metastatic, | X | | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 3 | 0 | 3 | 3 | 3 | 0 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 1 | 3 | 8 | 3 | 9 | 2 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 9 | 1 | 2 | 2 | 2 | 1 |
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 250 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|---|
| Spleen | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Renal, Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | M | M | + | + | + | + | 40 | |
| Lymph Node, Bronchial | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Lymphoma Malignant | | | | | | | X | | | X | | | | | | | | | | | | | | | | | |
| | + | + | + | M | + | + | M | + | M | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | 38 | | |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | X | | | | | | | 4 |
| Lymphoma Malignant | | | | | | | X | | | X | | | | | | | | | | | | | | | | | |
| | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | M | + | + | + | 42 | |
| Lymph Node, Mediastinal | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | X | | | | | | | 4 |
| Lymphoma Malignant | | | | | | | X | | | X | | | | | | | | | | | X | | | | | | |
| | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | M | + | + | + | 48 | |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | X | | | | | | | 5 |
| Lymphoma Malignant | | | | | | | X | | | X | | | | | | | | | | X | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| B6C3F1 MICE FEMALE
250 PPM | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
|-------------------------------|-----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 3 | 0 | 3 | 3 | 3 | 0 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 1 | 3 | 8 | 3 | 9 | 2 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 9 | 1 | 2 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hemangiosarcoma | | X | | X | | | | X | | | | | | | | | | | | | | | | | 3 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | X | | X | | | | | | | | X | | | | | | | | | | 5 |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 48 | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | | | | | | | | | 2 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Basal Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 1 | 3 | 0 | 3 | 3 | 3 | 0 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 1 | 3 | 8 | 3 | 9 | 2 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 9 | 1 | 2 |

.....

| B6C3F1 MICE FEMALE
250 PPM | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

SYSTEMIC LESIONS

Multiple Organ

Histiocytic Sarcoma

Lymphoma Malignant

X

X

X X

50

2

6

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S

Date Report Registered: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

† ... Tissue examined microscopically

Lesion present

.. Lesion present
 Insufficient tissue

M .. Missing tissue

M .. Missing tissue
A .. Autolysis precludes evaluation

BLANK Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| B6C3F1 MICE FEMALE
500 PPM | ANIMAL ID | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
|----------------------------------|-----------|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 1 | 0 | 3 | 3 | 3 | 7 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 1 | 7 | 3 |
| | | 1 | 3 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 7 | 3 | 6 | 1 | 2 | 3 | 2 | 8 | 9 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | |
| | | females
(cont...) | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | X | | | X | X | | X | | | | | | | | | X | | | | X | | | |
| Hepatocellular Adenoma, Multiple | | | X | | | | | | X | | | | | | | | | X | | | X | | | X |
| Hepatocellular Carcinoma | | X | | X | X | | | X | | X | | | X | | | | | | | | | | | |
| Ito Cell Tumor Benign | | | | | | | | | | | | | | | | | | X | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | | X |
| Mesentery | | | | | | | | | | | | | | + | + | | | | | | | | | + |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | X | | | | | | | | | | | | | | | | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | X |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | X |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | A |

CARDIOVASCULAR SYSTEM

Blood Vessel

+

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | |
| | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 0 | 3 | 3 | 3 | 7 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 1 | 7 | 3 |
| | 1 | 3 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 3 | 7 | 3 | 6 | 1 | 2 | 3 | 2 | 8 | 9 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 500 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

females
(cont...)

Primary Site

Lymphoma Malignant

Follicular Cell, Adenoma

X

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

M + + + M + + + + | + + + + M + + + + M + + + + M + + +

Ovary

+ +

Carcinoma, Metastatic, Uncertain
Primary Site

Cystadenoma

X

Lymphoma Malignant

X

Uterus

+ +

Lymphoma Malignant

X

Polyp Stromal

X X

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 1 | 0 | 3 | 3 | 3 | 3 | 7 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | 7 | 3 |
| | 1 | 3 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 3 | 7 | 3 | 6 | 1 | 2 | 3 | 2 | 8 | 9 |
| B6C3F1 MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 500 PPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |

Alveolar/Bronchiolar Carcinoma
Metastatic, Lung

RESPIRATORY SYSTEM

- Alveolar/Bronchiolar Adenoma
- Alveolar/Bronchiolar Adenoma, Multiple
- Alveolar/Bronchiolar Carcinoma
- Alveolar/Bronchiolar Carcinoma, Multip

Carcinoma, Metastatic, Uncertain Primary Site

Hepatocellular Carcinoma, Metastatic, X X

Mediastinum, Alveolar/Bronchiolar

Carcinoma, Metastatic, Lung

Hemangioma

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Registered: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | DAY ON TEST | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 0 | 3 | 3 | 3 | 3 | 7 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | 7 | 3 |
| | | 1 | 3 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 3 | 7 | 3 | 6 | 1 | 2 | 3 | 2 | 8 | 9 | 2 |
| <hr/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE FEMALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500 PPM | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

Carcinoma, Metastatic, Uncertain Primary Site

Lymphoma Malignant

x

x

Urinary Bladder

Lymphoma Malignant

+ | + + + + +

SYSTEMIC LESIONS

Multiple Organ

Lymphoma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

X .. Lesion present
| Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | |
| | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 1 | 6 | 3 | 8 |
| | 2 | 1 | 3 | 3 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 8 | 5 | 1 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE
500 PPM | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Gallbladder | + | + | + | + | + | + | + | A | + | + | + | + | I | I | A | A | + | + | + | M | + | + | + | 37 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 48 |
| | | | | | | | | | | | | | | | | X | | | | | | | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 47 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| B6C3F1 MICE FEMALE
500 PPM | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | | |
|----------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| | | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | |
| | | 2 | 1 | 3 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 8 | 5 | 1 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | X | X | X | | | | | X | | | X | X | X | | X | X | X | X | X | X | X | X | 19 | |
| Hepatocellular Adenoma, Multiple | | X | | | | | | | X | | | X | X | | | | | | | | | | X | X | 10 |
| Hepatocellular Carcinoma | | | | | | | | | X | | | | X | X | X | | | | | | | | X | | 12 |
| Ito Cell Tumor Benign | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | X | | | | | | | | | | | | | | X | | 4 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | + | 9 |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | X | | 2 |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | X | | 2 |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | X | | 2 |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | X | | 1 |

CARDIOVASCULAR SYSTEM

Blood Vessel

+

2

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | | |
| | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 1 | 6 | 3 | 8 | |
| | 2 | 1 | 3 | 3 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 8 | 5 | 1 | 2 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| B6C3F1 MICE FEMALE | ANIMAL ID | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 500 PPM | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

*** TOTALS**

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | X | | | | 1 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Islets, Pancreatic
Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Parathyroid Gland | + | + | + | + | M | + | + | M | + | M | + | + | + | + | + | + | M | M | M | I | M | M | I | 29 | |
| Pituitary Gland
Pars Distalis, Adenoma | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| | | | | | X | | | | | | X | X | X | | | | | | | | X | | | 10 | |
| Thyroid Gland
Carcinoma, Metastatic, Uncertain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | | | | | | | | | | | | | | | | X | | | | | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | | |
| | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 1 | 6 | 3 | 8 | |
| | 2 | 1 | 3 | 3 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 8 | 5 | 1 | 2 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| B6C3F1 MICE FEMALE | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 500 PPM | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |

Primary Site

Lymphoma Malignant

X

1

Follicular Cell, Adenoma

X

X

3

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

+ + + + + + + + + + + M + + + + + + + + M + + + + + + + 42

Ovary

+ + + + + + + + + + + | + + + + + + + + + + + + + + + + + + + 49

Carcinoma, Metastatic, Uncertain
Primary Site

X

1

Cystadenoma

X

3

Lymphoma Malignant

X

X

3

Uterus

+ 50

Lymphoma Malignant

X

2

Polyp Stromal

2

HEMATOPOIETIC SYSTEM

Bone Marrow

+ 50

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | | |
| | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 1 | 6 | 3 | 8 | |
| | 2 | 1 | 3 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 8 | 5 | 1 | 2 | 7 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*** TOTALS**

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | X | | | | 1 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | + | | | | 5 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | X | | | 3 |
| Lymph Node, Bronchial | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| Lymph Node, Mandibular | M | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 42 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Lymph Node, Mediastinal | M | + | M | M | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | 40 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | X | | | 5 |
| Lymph Node, Mesenteric | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 48 |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | | | | | X | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | X | | | 7 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | | | |
| | | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | 8 | | |
| | | 2 | 1 | 3 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 8 | 5 | 1 | 2 | 7 |
| B6C3F1 MICE FEMALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 500 PPM | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |

*** TOTALS**

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 48 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Fibroadenoma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Subcutaneous Tissue, Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | |
| | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 1 | 6 | 3 | 8 |
| | 2 | 1 | 3 | 3 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 8 | 5 | 1 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE FEMALE | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 500 PPM | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | X | | | | | | | | | | | | | | | | | | | | | | 1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 8 | |
| Alveolar/Bronchiolar Adenoma, Multiple | X | | X | X | X | X | X | X | X | | | | | | | | | | | | | | | 30 | |
| Alveolar/Bronchiolar Carcinoma | X | | | X | | | | | | | | | | | | | | | | | | | | | 15 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | X | | X | | | | X | X | X | X | | | | | | | | | | | | | | 19 |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic,
Liver | | | | | | | | | | | | | | | X | | | | | | | | | | 3 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Mediastinum, Alveolar/Bronchiolar
Carcinoma, Metastatic, Lung | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hemangioma | | X | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqstd: 02/27/2006

Time Report Reqstd: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | |
| | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 1 | 6 | 3 | 3 | |
| | 2 | 1 | 3 | 3 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 8 | 5 | 1 | 2 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| B6C3F1 MICE FEMALE | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 500 PPM | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |

*** TOTALS**

| | | |
|---|---|----|
| Lymphoma Malignant | X | 1 |
| Pleura | + | 2 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | 1 |
| Carcinoma, Metastatic, Uncertain
Primary Site | X | 1 |
| Trachea | + | 50 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | 1 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | X | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CUMENF

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Registered: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 6 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 9 | 0 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 6 | 3 | 3 | 8 |
| | 2 | 1 | 3 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 5 | 1 | 2 |

.....

| B6C3F1 MICE FEMALE
500 PPM | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Carcinoma, Metastatic, Uncertain Primary Site

X

1

Lymphoma Malignant

X X

4

Urinary Bladder

SYSTEMIC LESIONS

Multiple Organ

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically